



CCTA & CCTB

Air Handling Units
For customized applications



Air handling solutions tailored to your needs

When you turn to Trane CCTA/CCTB air handling units you'll benefit from Trane's dedication to constant development in order to deliver the latest state-of-the-art air handling solutions. When it comes to bringing air to your building at the right temperature, pressure and humidity, with the right sound level and level of cleanliness, Trane units offer a unique combination of high indoor air quality, energy efficiency and flexibility. It's a range designed and engineered to meet all project requirements in air conditioning and to comply to your local regulations.

Versatility comes as standard

The CCTA/CCTB air handling unit range offers the flexibility that allows units to meet application constraints in terms of thermal, acoustical, dimensional and functional aspects, ensuring exactly the right performance at the right price.

Whatever your application, units always offer a high level of Indoor Air Quality (IAQ), ensuring the health and comfort of building occupants.

For applications where hygiene requirements are critical, as in hospitals, laboratories and clean rooms, the CCTB offers an enhanced casing with completely smooth external walls for easier cleaning for improved, together with thermal performance to class T2/TB2.

Unequaled flexibility to match your application

Choice is what sets the Trane CCTA/CCTB air handling unit range apart – an unrivalled range of options and configurations that means you will always be able to meet the demands of your particular building and application exactly. And as you'd expect from one of the world's leading air handling solutions providers, we make it easy to specify the air handling unit that's right for you. A highly efficient and flexible Trane computer program uses your application data and project specifications to select the precise components that will provide you with optimum performance.

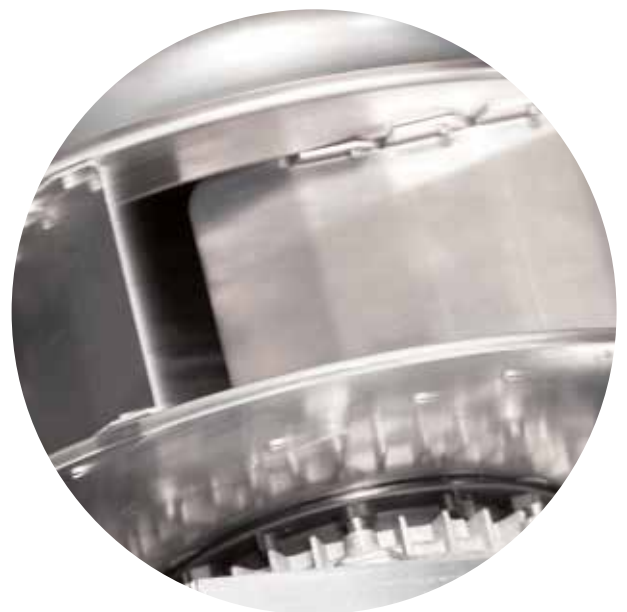
The CCTA range covers air volumes from 1000 to 140,000 m³/h with total pressure up to 2000 Pa with more than 100 different unit sizes.

Wide choice of configurations

The modular construction of the CCTA unit allows accommodation to site constraints.

It can be built with the following configurations:

- Horizontal in line
- Horizontal, L or U shaped
- Double stacked and side by side
- Vertical, upstream air flow.





The best choice to successfully complete your air conditioning projects

Energy savings in mind

To minimize your HVAC operating costs, units can be equipped with the latest energy saving technologies such as :

- High efficiency Eff1 motors
- High efficiency thermal wheels
- Run around coils
- Plate heat exchangers
- Plug fans and variable frequency drives

Fast, simple installation and maintenance

The Trane CCTA/CCTB units come packaged following the “plug and play” concept. To ensure easy installation and commissioning, most specified options are factory-installed and arrive on the jobsite already mounted, eliminating the need for time-consuming accessory field installation. Units can be delivered in one piece, in sections or flat packed for easier on-site assembly. All panels can be easily removed to maintain, repair or change components inside the unit, and all sections requiring regular maintenance are equipped with properly sized and air-tight hinged doors.

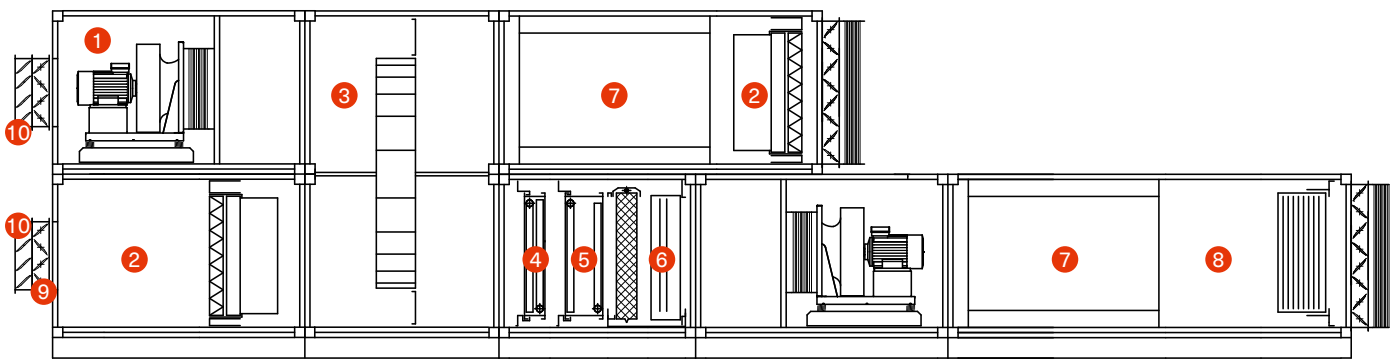
Integrated comfort systems for optimized operation and faster commissioning

The factory-mounted control package can be tied to other Trane products through Trane Integrated Comfort System (ICS). ICS is a powerful system architecture that unifies Trane control and building management into a coherent whole, providing a single source of responsibility, including monitoring and diagnostics, system optimization, and open protocol communication for assured high levels of comfort. The control package, including dedicated Trane controllers, variable frequency drives, power wiring, sensors and actuators are fully integrated into the unit for a minimized footprint and easier maintenance.





A wide range of options and configurations



State of the art casing concept

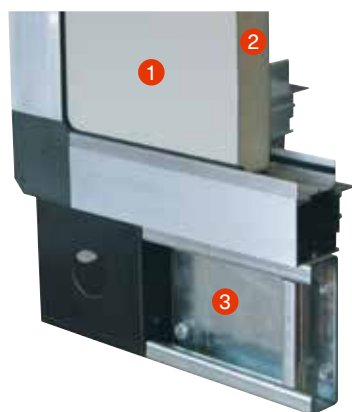
CCTA standard casing design:

Panels fixed with a wedge → Nice finishing without any screws, easy maintenance

Polyurethane foam insulation → Better thermal performances and rigidity

Double gasket → Maximum casing air tightness

Smooth internal walls → Easy to clean, minimized dust traps



Wide choice of casing options

1 Wall materials	<ul style="list-style-type: none"> Galvanized steel Pre-painted steel Peraluman Stainless steel 304 & 316L
2 Panel insulation	<ul style="list-style-type: none"> Standard version: 25 or 50mm Injected polyurethane foam Rock wool, 80kg/m³ density
3 Framework	<ul style="list-style-type: none"> Aluminum Anodized aluminum
3 Support/Handling	<ul style="list-style-type: none"> Peripheral base frame Supporting feet Adjustable feet

Eurovent-certified casing mechanical characteristics

Casing Type	CCTA 25 mm PU	CCTA 50 mm PU	CCTA 50 mm RW	CCTB
Panel Thickness	25 mm	50 mm	50 mm	40 mm
Insulation Material	Polyurethane foam	Polyurethane foam	Rock Wool	Polyurethane foam
Casing Strength	D1	D1	D3	D1
Casing Air Leakage	L3	L1	L1	L1
Filter Bypass leakage	F9	F9	F9	F9
Thermal Transmittance	T3	T3	T2	T2
Thermal Bridging Factor	TB4	TB3	TB3	TB2



Certified performance

Eurovent certification for the CCTA range guarantees accurate performance data and common comparison criteria. The unit performances and the mechanical casing characteristics have been tested and certified respectively according to EN 13053 and EN 1886. ARI certified heating and cooling coils can be provided upon request.

CCTB: the right design for stringent project requirements and optimum comfort

Wherever hygiene and thermal conditions are critical factors, the Trane CCTB delivers

CCTB standard casing design:

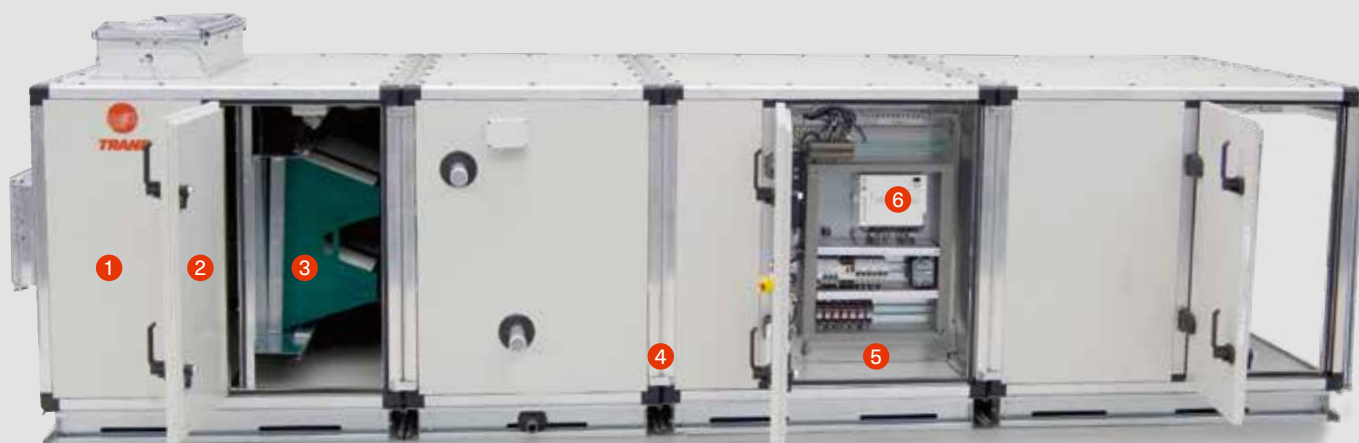
- 40 mm panel thickness (T2/TB2 certified)
- Polyurethane foam insulation
- A1-fire rated (Euro class)
- Thermal break integrated in panels and framework
- Smooth easy-to-clean internal walls

Options:

- 60 mm panel thickness
- Rock wool 80kg/m³ insulation



T2/TB2 Eurovent-certified



- 1 Built to last: Robust and efficient casing design with anodized aluminum framework and rigid foamed panels.
- 2 Easy maintenance: Large hinged doors to access components.
- 3 Indoor Air Quality: Smooth internal walls, filter bypass leakage F9, casing air tightness L1, inclined drain pans.
- 4 Quick installation: Modular construction with quick module-fixing system and strong base frame for an easy handling.
- 5 Fast commissioning with factory-engineered controls.
- 6 Efficient system: Advanced controllers integrated in a comprehensive Building Management System.





Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit trane.eu or tranetechnologies.com.

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